

CLAIMS

1. A method for allowing an application to retrieve data from participating applications sharing an information bus, comprising the steps of:
- connecting the application to the information bus as an event consumer;
  - identifying data within the application that is needed;
  - notifying the information bus of the data needed from other participating applications;
  - receiving notice of the data needed is available by data name from another participating application;
  - requesting the data by name via the information bus.

2. The method of claim 1 further comprising the step:
- generating an event listener to listen for event activity on the information bus.

3. The method according to claim 1 further comprising the steps of:
- changing the requested data after receipt;
  - announcing the data change to the registered application from which the data was originally obtained.

4. The method according to claim 1 wherein step d further comprises specifying the data name by way of a property.

5. The method according to claim 1 wherein step d further comprises specifying the data name by way of a parameter.

6. The method according to claim 1 further comprising:
- providing a view associated with the data needed.

7. The method according to claim 1 wherein the data is a Java Object.

1 ~~7.~~<sup>8</sup> The method according to claim 1 further comprising the step  
2 j. providing descriptive and identifying information about the data.

1 ~~8.~~<sup>9</sup> Apparatus for retrieving data across an information bus for use with an  
2 application, the data being retrieved from other application sharing the  
3 information bus, the apparatus comprising:  
4 data notification logic to notify the information bus of the need for a  
5 desired data element;  
6 data element retrieval logic to retrieve a requested data element from the  
7 information bus.

1 ~~9.~~<sup>10</sup> The apparatus of claim 8 further comprising event listening logic to listen for bus  
2 events over the information bus.

1 ~~10.~~<sup>11</sup> The apparatus according to claim 8 further comprising data element managing  
2 logic configured to change the data within a data element and the data  
3 notification logic is configured to announce the data change across the  
4 information bus to the application from which the data element originated.

1 ~~11.~~<sup>12</sup> The apparatus according to claim 8 wherein the data element provides a view  
2 associated with the data item.

1 ~~12.~~<sup>13</sup> The apparatus according to claim 8 wherein the data element is a Java Object.

1 ~~13.~~<sup>14</sup> A computer program product for use within a computer system to provide an  
2 application with data retrieval capabilities from participating applications sharing  
3 an information bus, the computer program product comprising a computer usable  
4 medium having computer readable program code embodied on the medium for



- 1 <sup>21</sup> 20. The computer program product of claim 13 further comprising program code to  
2 providing descriptive and identifying information about the data.

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